

AMENDMENT TO THE SPECIFICATION

Please replace the paragraph commencing on page 10, line 22, and ending on page 10, line 26 as with the following paragraph:

Suitable leads 46 extend from the temperature sensing wire or film 36 into the bore or opening 20, and are connected to a suitable connector 48 that is also held in place with a suitable rigid potting material 44 such as an epoxy, or cement ~~(not shown)~~.

Please replace the two paragraphs starting on page 12, line 23, and ending on page 13, line 19 with the following:

The temperature sensing element section 62 is located in the bore 52 and is supported by a low [[non-]] cohesive or shock absorbing loose powder or particulate potting material 66, which can be aluminum oxide, or other materials that will distribute stresses caused by differential expansion between the housing 50 and the temperature sensing assembly 58. The potting material 66 is capped or held in place by an epoxy or other rigid potting material 70 that rigidly supports the mandrel support section 64.

The support section 64 forms a cantilever support for the temperature sensing section 62 to resist mechanical shock and vibrations.

The diameter D of the temperature sensing section 60 is suitably smaller than the diameter D1 of the bore section 52, to provide sufficient space for the low [[non-]] cohesive or stress distributing potting material 66 to pack in place. Diameter D2 of bore section 54 is larger than both diameters D and D1. The lengths L1 and L2 can be selected to match the mandrel size. The length L of the temperature sensing element section 62 is shown less than the dimension L1 of the bore section 52 so that the low [[non-]] cohesive loose powder potting material 66 will completely surround and support the temperature sensing element section 62.